



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/619,414	07/16/2003	Tokuo Ikari	238477US-3 CONT	7364
22850	7590	02/24/2005	EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			MAHONEY, CHRISTOPHER E	
			ART UNIT	PAPER NUMBER
			2851	

DATE MAILED: 02/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

54

Office Action Summary	Application No. 10/619,414	Applicant(s) IKARI ET AL.	
	Examiner Christopher E. Mahoney	Art Unit 2851	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 11-36 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 19-32 is/are allowed.
- 6) ☒ Claim(s) 11, 12, 14-16, 18, 33, 34 and 36 is/are rejected.
- 7) ☒ Claim(s) 13, 17 and 35 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☒ Certified copies of the priority documents have been received in Application No. 09/846,306.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>Jul 16, 2003</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Priority

Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No. 09/846,306, filed on May 2, 1001.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 11-12, and 33-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hennen (U.S. Patent No: 6,407,859) in view of Sasa (U.S. Patent No. 6,068,906). Hennen teaches a method of manufacturing a rear projection screen 500 having two or more overlapping sheet like members wherein an entirety of length of a first overlapping sheet like member 502 is fitted between first (far left inverted facet of 504) and second (far right inverted facet of 504) protrusions and the first and second protrusions being integrally formed to protrude from extreme opposite ends of a second overlapping sheet like member 504. The protrusions are at opposite ends when the Fresnel lens is a linear Fresnel lens as discussed at col. 14, line 39. The method comprises injection forming the second overlapping sheet like member with the first and second protrusions by injection molding (col. 8 lines 46-51) and fixing the first overlapping sheet like member to the second sheet like member (col. 8, lines 51-55). Hennen does not teach that the mold to which the second sheet like member is injection molded is a metal mold or stamper.

Art Unit: 2851

The applicant is directed to review figures 5A-5F as well as col. 8, lines 28-55 and col. 13, lines 33-40. Sasa teaches that it was known to use an inverted metal mold (figures 15, 16 and 22) for an injection molding process wherein the stamper is mounted on a stamper holder 110. It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize the features taught by Sasa for the purpose of providing a more exact shape transfer.

Claims 14-16, 18, and 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hennen (U.S. Patent No. 6,407,859) in view of Sasa (U.S. Patent No. 6,068,906) and further in view of Hori (U.S. Patent No. 6,348,993). Hennen in view of Sasa teaches the salient features of the claimed invention except for the specific materials and attaching the screen to a frame or main body. Hori teaches in col. 1, lines 47-50 that it was known to utilize acrylic resin, polycarbonate resin, or the like. It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize the features taught by Hori for the purpose of high light transmission, appropriate rigidity, and capability of volume production. The applicant should note that it has been held to be within the general skill of a worker in the art to select a known material on the basis of its suitability for the intended use as a matter of obvious design choice. *In re Leshin*, 125 USPQ 416. In col. 6, lines 8-10 Hori teaches that it was known to attach to screen to a frame 5 which is attached to a cabinet. It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize the frame and cabinet taught by Hori for the purpose of use in a rear projection television.

Allowable Subject Matter

Claims 13, 17, and 35 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 19-32 are allowed.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Fujii (U.S. Patent No. 6645793) teaches a metal mold and stamper.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher E. Mahoney whose telephone number is (571) 272-2122. The examiner can normally be reached on 8:30AM-5PM, Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



CHRISTOPHER MAHONEY
PRIMARY EXAMINER